

AMENDMENTS TO THE SPECIFICATION

IN THE SPECIFICATION:

Please replace the paragraph beginning on page 4, line 12 with the following rewritten paragraph:

E1 In a heat-transfer pipe with internal grooves according to the first aspect of the present invention, a plurality of rows of grooves arranged in V-shaped patterns 3 ~~symmetric with respect to a pipe axis direction~~ are provided on an inner surface 2 of a pipe body 1a; and widths of the plurality of rows of the grooves 3 arranged in the V-shaped patterns are made unequal in a circumferential direction.

Please replace the paragraph beginning on page 11, line 14 with the following rewritten paragraph:

E2 First, as shown in Figs. 1 to 3 for example, in the heat-transfer pipe 1 with internal grooves according to this embodiment, first to fifth groups A-E of a plurality of rows of grooves is provide on an inner surface 2 of a pipe body 1a having an electric welded pipe structure. Those groups of grooves are comprised of grooves 3 which are arranged ~~to be symmetric with respect to a pipe axis direction and~~ to form relatively sharp V-shape patterns which sequentially repeat in the circumferential direction, and which are arranged with width of grooves unequal to each other in the

circumferential direction and with a lead angle  $\theta$  of the grooves different from each other, so as to promote a turbulent flow of a refrigerant liquid flowing in the pipe body 1a and to promote the refrigerant liquid to become a thin film because coarse and minute refrigerant liquid portions are formed by dividing and merging the refrigerant liquid flow.

Please replace the paragraph beginning on page 14, line 15 with the following rewritten paragraph:

First, in the heat-transfer pipe with internal grooves according to this embodiment, first to fifth groups A - E of a plurality of rows of grooves is provided on an inner surface 2 of a pipe body 1a having the same electric welded pipe structure as described above. Those groups of grooves are comprised of grooves 3 which are arranged ~~to be symmetric with respect to a pipe axis direction and~~ to form relatively sharp V-shape patterns, and which are arranged with width of the grooves unequal to each other in the circumferential direction and with a lead angle  $\theta$  of the grooves different from each other, so as to promote a turbulent flow of a refrigerant liquid flowing in the pipe body 1a and to promote the refrigerant liquid to become a thin film because coarse and minute refrigerant liquid portions are formed by dividing and merging the refrigerant liquid flow.

Please replace the paragraph beginning on page 18, line 8 with the following rewritten paragraph:

First, in the heat-transfer pipe 1 with internal grooves according to this embodiment, first to fifth groups A - E of a plurality of rows of grooves is provided on an inner surface 2 of a pipe body 1a having the same electric welded pipe structure as described above. Those groups of grooves are comprised of grooves 3 which are arranged ~~to be symmetric with respect to a pipe axis direction and~~ to form relatively sharp V-shape patterns, and which are arranged with width of the grooves unequal to each other in the circumferential direction and with a lead angle  $\theta$  of the grooves different from each other, so as to promote a turbulent flow of a refrigerant liquid flowing in the pipe body 1a and to promote the refrigerant liquid to become a thin film because coarse and minute refrigerant liquid portions are formed by dividing and merging the refrigerant liquid flow.